ORIGINAL

Sequence Listing

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<120> Reagents and Methods Useful for Detecting Diseases of the Breast

<130> 6193.US.P1

<150> 08/971,772
<151> 17-Nov-1997

<160> 23

<170> FastSEQ for Windows Version 3.0

<210> 1
<211> 288
<212> DNA
<213> Homo sapiens

<400> 1
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ggccccgtca gaagacccca gggactggag agccaacctc aaaggcacca tccgtgagac 120
aggcctggag accagctccg gtgggaagct ggctggccat cagaagaccg tccccacggc 180
tcacctgact tttgttattg actgcaccca cgggaagcag ctctccctgg cagcaaccgc 240
atcaccaccc caagccccca gtcccaatcg agggttgtca ccccacca 288

<210> 2
<211> 250
<212> DNA
<213> Homo sapiens

<400> 2
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gtgggaagct ggctggccat cagaagaccg tccccacggc tcacctgact tttgttattg 120
actgcaccca cgggaagcag ctctccctgg cagcaaccgc atcaccaccc caagccccca 180
gtcccaatcg agggcttgtc accccaccaa tgaagaccta catcgtgttc tgtggggaaa 240
actggcccca 250

<210> 3
<211> 256
<212> DNA
<213> Homo sapiens

<400> 3
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ccaggccagg gccaccctgc cgctctgcag agggtctgtg gcctcagctt ccttcccagt 120
cagcccgctc tgcccccagg aggttcccga ggctaagggg aaacccgtga aggctgcgcc 180
tgtgaggtct tcaacttggg gaacagtcaa ggactcactg aaagccctct cctcttgtgt 240
ctgtgggcag gccgat 256

<210> 4
<211> 256
<212> DNA

<213> Homo sapiens

<400> 4
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ctccaggaaa accatggtat ctccccagca ctttgcaggg cctggcatgt ggaagatgta 120
ccagtaatat ttgctgtatg aatgaatgag tctcttcatg tgcaggtgac ttatcctgcc 180
tctgccactc gacggatgtt tcagatgccc cttagcggat ctaatgatgt ttccttggct 240
caagcacaaa agactc 256

<210> 5
<211> 133
<212> DNA
<213> Homo sapiens

<400> 5
gctgttcaaa atcatcttct ttatttattg ggttacttta tttattcagg gtgggttccc 60
tccaccccaa aaataccagc tccaggaaaa ccatggtatc tccccagcac tttgcagggc 120
ctggcatgtg gaa 133

<210> 6
<211> 910
<212> DNA
<213> Homo sapiens

<400> 6
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aggcctggag accagctccg gtgggaagct ggctggccat cagaagaccg tccccacggc 180
tcacctgact tttgttattg actgcaccca cgggaagcag ctctccctgg cagcaaccgc 240
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gcaattccca gggcctggcc ctgcttcccc agctaagcag gagtcttttg tgcttgagcc 660
aaggaaacat cattagatcc gctaaggggc atctgaaaca tccgtcgagt ggcagaggca 720
ggataagtca cctgcacatg aagagactca ttcattcata cagcaaatat tactggtaca 780
tcttccacat gccaggccct gcaaagtgct ggggagatac catggttttc ctggagctgg 840
tatttttggg gtggagggaa cccaccctga ataaataaag taacccaata aataaagaag 900
atgattttga 910

<210> 7
<211> 915
<212> DNA
<213> Homo sapiens

<400> 7
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ggccccgtca gaagacccca gggactggag agccaacctc aaaggcacca tccgtgagac 120
aggcctggag accagctccg gtgggaagct ggctggccat cagaagaccg tccccacggc 180
tcacctgact tttgttattg actgcaccca cgggaagcag ctctccctgg cagcaaccgc 240
atcaccaccc caagccccca gtcccaatcg agggcttgtc accccaccaa tgaagaccta 300
catcgtgttc tgtggggaaa actggcccca tctkactcgg gtgaccccca tgggtggggg 360
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cttcccagtc agcccgctct gcccccagga ggttcccgag gctaagggga aacccgtgaa 480
ggctgcgcct gtgaggtctt caacttgggg aacagtcaag gactcactga aagccctctc 540
ctcttgtgtc tgtgggcagg ccgattagct ggaagggccg ggctctgatg cccagaggct 600
gcaattccca gggcctggcc ctgcttcccc agctaagcag gagtcttttg tgcttgagcc 660
aaggaaacat cattagatcc gctaaggggc atctgaaaca tccgtcgagt ggcagaggca 720
ggataagtca cctgcacatg aagagactca ttcattcata cagcaaatat tactggtaca 780
tcttccacat gccaggccct gcaaagtgct ggggagatac catggttttc ctggagctgg 840
tatttttggg gtggagggaa cccaccctga ataaataaag taacccaata aataaagaag 900
atgattttga acagc 915

<210> 8
<211> 68

<212> DNA
<213> Artificial Sequence

<220>
<223> Restriction site

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agctcggaat tccgagcttg gatcctctag agcggccgcc gactagtgag ctcgtcgacc 60
cgggaatt 68

<210> 9
<211> 68
<212> DNA
<213> Artificial Sequence

<400> 9
aattaattcc cgggtcgacg agctcactag tcggcggccg ctctagagga tccaagctcg 60
gaattccg 68

<210> 10
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Universal primer

<400> 10
agcggataac aatttcacac agga 24

<210> 11
<211> 18
<212> DNA
<213> Artificial Sequence

<400> 11
tgtaaaacga cggccagt 18

<210> 12
<211> 20
<212> DNA
<213> Homo sapiens

<400> 12
ccccaccaat gaagacctac 20

<210> 13
<211> 20
<212> DNA
<213> Homo sapiens

<400> 13
agaggagagg gctttcagtg 20

<210> 14
<211> 20
<212> DNA
<213> Homo sapiens

<400> 14
ccccacagaa cacgatgtag 20

<210> 15
<211> 22
<212> DNA
<213> Homo sapiens

<400> 15
ttgtcacccc accaatgaag ac 22

<210> 16
<211> 22
<212> DNA
<213> Homo sapiens

<400> 16
tggtatctcc ccagcacttt gc 22

<210> 17
<211> 188
<212> PRT
<213> Homo sapiens

<400> 17
Glu Trp Pro Arg Thr Ala Pro Leu Leu Pro Glu Leu Gly Arg Arg Arg
1 5 10 15
Ser Ser Arg Met Ala Pro Ser Glu Asp Pro Arg Asp Trp Arg Ala Asn
20 25 30
Leu Lys Gly Thr Ile Arg Glu Thr Gly Leu Glu Thr Ser Ser Gly Gly
35 40 45
Lys Leu Ala Gly His Gln Lys Thr Val Pro Thr Ala His Leu Thr Phe
50 55 60
Val Ile Asp Cys Thr His Gly Lys Gln Leu Ser Leu Ala Ala Thr Ala
65 70 75 80
Ser Pro Pro Gln Ala Pro Ser Pro Asn Arg Gly Leu Val Thr Pro Pro
85 90 95
Met Lys Thr Tyr Ile Val Phe Cys Gly Glu Asn Trp Pro His Leu Thr
100 105 110
Arg Val Thr Pro Met Gly Gly Gly Cys Leu Ala Gln Ala Arg Ala Thr
115 120 125
Leu Pro Leu Cys Arg Gly Ser Val Ala Ser Ala Ser Phe Pro Val Ser
130 135 140
Pro Leu Cys Pro Gln Glu Val Pro Glu Ala Lys Gly Lys Pro Val Lys
145 150 155 160
Ala Ala Pro Val Arg Ser Ser Thr Trp Gly Thr Val Lys Asp Ser Leu
165 170 175
Lys Ala Leu Ser Ser Cys Val Cys Gly Gln Ala Asp
180 185

<210> 18
<211> 21
<212> PRT
<213> Homo sapiens

<400> 18
Arg Ser Ser Arg Met Ala Pro Ser Glu Asp Pro Arg Asp Trp Arg Ala
1 5 10 15
Asn Leu Lys Gly Thr
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<210> 19
<211> 19
<212> PRT
<213> Homo sapiens

<400> 19
Met Gly Gly Gly Cys Leu Ala Gln Ala Arg Ala Thr Leu Pro Leu Cys
1 5 10 15
Arg Gly Ser

<210> 20
<211> 35
<212> PRT

<213> Homo sapiens

<400> 20
Leu Cys Pro Gln Glu Val Pro Glu Ala Lys Gly Lys Pro Val Lys Ala
1 5 10 15
Ala Pro Val Arg Ser Ser Thr Trp Gly Thr Val Lys Asp Ser Leu Lys
20 25 30
Ala Leu Ser
35

<210> 21
<211> 19
<212> PRT
<213> Homo sapiens

<400> 21
Arg Glu Thr Gly Leu Glu Thr Ser Ser Gly Gly Lys Leu Ala Gly His
1 5 10 15
Gln Lys Thr

<210> 22
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Affinity purification system recognition site

<400> 22
Asp Tyr Lys Asp Asp Asp Asp Lys
1 5

<210> 23
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Affinity purification system recognition site

<400> 23
Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Asn Met His Thr Glu His
1 5 10 15
His His His His His
20